

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Satoshi ARAI

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: WIRELESS COMMUNICATION APPARATUS AND SEMICONDUCTOR DEVICE

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

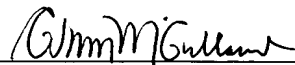
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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DOCKET NO.: 249946US2

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**STATEMENT OF RELEVANCY**

**Reference AO (JP 7-66746) on Form PTO-1449:**

Rectangle conductors are inserted between microwave ICs and a ground case to reduce interference between ICs.

**Reference AP (JP 2000-299438) on Form PTO-1449:**

Pin assign of a chip transceiver for dual band wireless systems is optimized to avoid degrading the performance of low noise amplifiers.

**Reference AQ (JP 2001-345419) on Form PTO-1449:**

A module consists of transceiver chip and multi-layer board. Pin assign of the receiver is optimized to avoid crossing the signal lines on the board.

**Reference AR (JP 2003-101320) on Form PTO-1449:**

A chip transceiver with antenna has shielding layers between antenna and other devices.

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
249946US2SERIAL NO.  
New Application

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Satoshi ARAIFILING DATE  
Herewith

GROUP

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|--------------------|------|------|-------|--------------|-------------------------------|
|                     | AA |                    |      |      |       |              |                               |
|                     | AB |                    |      |      |       |              |                               |
|                     | AC |                    |      |      |       |              |                               |
|                     | AD |                    |      |      |       |              |                               |
|                     | AE |                    |      |      |       |              |                               |
|                     | AF |                    |      |      |       |              |                               |
|                     | AG |                    |      |      |       |              |                               |
|                     | AH |                    |      |      |       |              |                               |
|                     | AI |                    |      |      |       |              |                               |
|                     | AJ |                    |      |      |       |              |                               |
|                     | AK |                    |      |      |       |              |                               |
|                     | AL |                    |      |      |       |              |                               |
|                     | AM |                    |      |      |       |              |                               |
|                     | AN |                    |      |      |       |              |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE     | COUNTRY                       | TRANSLATION |    |
|--|----|--------------------|----------|-------------------------------|-------------|----|
|  |    |                    |          |                               | YES         | NO |
|  | AO | 7-66746            | 03/10/95 | Japan (with English Abstract) |             | x  |
|  | AP | 2000-299438*       | 10/24/00 | Japan (with English Abstract) |             | x  |
|  | AQ | 2001-345419        | 12/14/01 | Japan (with English Abstract) |             | x  |
|  | AR | 2003-101320        | 04/04/03 | Japan (with English Abstract) |             | x  |
|  | AS |                    |          |                               |             |    |
|  | AT |                    |          |                               |             |    |
|  | AU |                    |          |                               |             |    |
|  | AV |                    |          |                               |             |    |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |  |
|--|----|--|
|  | AW |  |
|  | AX |  |
|  | AY |  |
|  | AZ | <input type="checkbox"/> Additional References sheet(s) attached |

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.